IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Kindly cancel claims 13-15, 28, and amend claims 16, 17, 19, 23, 25, 26, 36, and 48 as follows:

STATUS OF THE CLAIMS:

1.-12 Cancelled

13-15 (Cancelled)

16. (Currently amended) An antibody which selectively binds to a polypeptide of claim ~~13~~ 43.

17. (Currently amended) A method for detecting the presence of a polypeptide of claim ~~13~~ 43 in a sample comprising:

a) contacting the sample with a compound which selectively binds to the polypeptide; and

b) determining whether the compound binds to the polypeptide in the sample to thereby detect the presence of a polypeptide of claim 13 in the sample.

18. (Previously presented) The method of claim 17, wherein the compound which binds to the polypeptide is an antibody.

19. (Currently amended) A kit comprising a compound which selectively binds to a polypeptide of claim ~~13~~ 43and instructions for use.

20.-22 Cancelled

23. (Currently amended) A method for identifying a compound which binds to a polypeptide of claim ~~13~~ 43comprising:

a) contacting the polypeptide, or a cell expressing the polypeptide with a test compound; and

b) determining whether the polypeptide binds to the test compound.

24. (Previously presented) The method of claim 23, wherein the binding of the test compound to the polypeptide is detected by a method selected from the group consisting of:

a) detection of binding by direct detection of test compound/polypeptide binding;

b) detection of binding using a competition binding assay; and

c) detection of binding using an assay for DHDR activity.

25. (Currently amended) A method for modulating the activity of a polypeptide of claim ~~13~~ 43 comprising contacting the polypeptide or a cell expressing the polypeptide with an antibody ~~a compound~~ which binds to the polypeptide in a sufficient concentration to modulate the activity of the polypeptide.

26. (Currently amended) A method for identifying a compound which modulates the activity of a polypeptide of claim ~~13~~ 43comprising:

a) contacting a polypeptide of claim ~~13~~ 43with a test compound; and

b) determining the effect of the test compound on the activity of the polypeptide to thereby identify a compound which modulates the activity of the polypeptide.

27. (Previously presented) The method of claim 26, wherein said activity is modulation of virus activity.

28.-34 Cancelled

35. (Previously presented) The method of claim 26, wherein said activity is modulation of cellular proliferation.

36. (Currently amended) A method for identifying a compound which modulates cellular proliferation comprising:

a) contacting the polypeptide of claim ~~13~~ 43, or a cell expressing the polypeptide with a test compound; and

b) identifying the compound as a modulator of cellular proliferation by determining the effect of the test compound on the activity of the polypeptide.

37-42 Cancelled

43. (Previously presented) An isolated polypeptide comprising the amino acid sequence set forth in SEQ ID No:5.

44 (Previously presented) The polypeptide of claim 43, further comprising heterologous amino acid sequences.

45 (Previously presented) An isolated polypeptide consisting of the amino acid sequence set forth in SEQ ID No:5.

46 (Previously presented) An isolated polypeptide comprising the amino acid sequence of the polypeptide expressed from the plasmid deposited with ATCC as Accession Number PTA-1845.

47 (Previously presented) An isolated polypeptide comprising an amino acid sequence which is at least 95% identical to the amino acid sequence of SEQ ID NO:5, wherein said polypeptide has a dehydrogenase activity.

48 (Currently amended) The polypeptide of claim 47, further comprising heterologous amino acid sequences.